08/05/2008

Approved for use through 07/31/2006. OMB 0651-0031 Under the Paperwork Reduction Act of 1995, no persons are required to re

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO

Sheet

Examiner

Signature

/John Rivell/

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Cor	Complete if Known				
Application Number					
Filing Date					
First Named Inventor	KIM, CHOON IL				
Art Unit					
Examiner Name					
Attorney Docket Number	2017-48				

U. S. PATENT DOCUMENTS								
Examiner (	Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where			
	NO.	Number-Kind Code <sup>2 (f krown)</sup>	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear			
JR/		<sup>US-</sup> 6085986	07-11-2000	Michael Yu				
/JR/		<sup>US-</sup> 5137216	08-11-1992	Barry N. Hanish				
JR/		us- 3998244	12-21-1976	Clarence Bentley				
/JR/		US- 3985336	10-12-1976	Clarence Bentley				
		US-						
		US-						
		US-						
		US-						
		US-						
		US-						
		US-						
		US-						
		US-						
		US-						
		US-						
		US-	1					
		US-						
		US-						
		US-			1			

initials* No.1	Cite	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>0</sup>
	No.	Country Code <sup>2</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
/JR/		KR 200306609	02-25-2003	Kim, Je-Goo		
	_					H
						_

Considered "EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. "Applicants unique citation number (optional)." See Kinds Godes of USPTO Pation Hoursments at www.sets.codes or 100 of Translation is attached.

This collection of information is required by 37 CFR 1,97 and 1,98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1,14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application from the USPTO. There will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.